

ABSTRACT

Methods and apparatuses for testing the installation of sensors, irrigation system components and controllers are provided. An apparatus or sensor unit is for use with an irrigation system and comprises a processor and a sensor coupled to the processor and adapted to provide a sensor response. The sensor can be a water sensor, a temperature sensor, a humidity sensor, a ground moisture sensor, a solar radiation sensor, a wind speed sensor, or a water flow rate sensor, among others. A communication circuit is coupled to the processor which in turn can cause the communication circuit to transmit a first signal in response to the sensor response. The processor can further cause the communication circuit to transmit a test signal having a signal strength that is less than the strength of the first signal to simulate the deteriorated conditions that can be present during a transmission.